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16. APPENDICES: The License includes the following Appendices which must be read before accepting the License.

Appendix A: Data Covered by the License Agreement

Appendix B: Prerequisite Arrangement with Producer of Data

Appendix C: Requirements for Use of NLM Licensed Data with Updates

Appendix D: MEDLINE®/PubMed® Minimal Data Element Set

APPENDIX A: DATA COVERED BY THE LICENSE AGREEMENT

The License covers the following data and does not include software. After accepting the License and its Appendices, prospective licensees complete a license request form to select data they initially want to license. Once a license is established, a licensee may add other data covered under this License upon request to NLM.

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CATALOGING/BIBLIOGRAPHIC DATA (<http://www.nlm.nih.gov/databases/catser.html>)

Catfile
CatfilePlus
Serfile

TOXICOLOGIC/CHEMICAL DATA

CCRIS (<http://www.nlm.nih.gov/pubs/factsheets/ccrisfs.html>)
ChemIDplus[®] Subset (<http://www.nlm.nih.gov/databases/chemidplus.html>)
GENE-TOX (<http://www.nlm.nih.gov/pubs/factsheets/genetxfs.html>)
HSDB[®] (<http://www.nlm.nih.gov/pubs/factsheets/hsdbfs.html>)
TOXLINE[®] Subset (http://www.nlm.nih.gov/databases/databases_toxline.html)

DIRECTORY DATA

DIRLINE[®] (<http://www.nlm.nih.gov/pubs/factsheets/dirlinfs.html>)

APPENDIX B: PREREQUISITE ARRANGEMENT WITH PRODUCER OF DATA

TOXLINE[®] Subset (http://www.nlm.nih.gov/databases/databases_toxline.html)

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Each item below applies for use of licensed MEDLINE®/PubMed® data. Database name(s) in brackets following a clause indicates that the clause also applies for use of that data.

Licensee shall:

1. Comply with the following data display requirements:

A. If the product/service/application is a citation retrieval system displaying MEDLINE/PubMed citation data and the product/service/application does not provide a direct electronic link to the corresponding record in PubMed at NLM, at least the minimal set of data elements listed in Appendix D for each record must be displayed. If the product/service/application is a citation retrieval system displaying MEDLINE/PubMed citation data and the product/service/application does provide a direct electronic link to the corresponding record in PubMed at NLM, there is no minimal set of data elements required for display.

B. If the product/service/application retrieves data derived from MEDLINE/PubMed records and does not provide a direct electronic link to the underlying record(s) in PubMed, at least the NLM PMID(s) associated with the underlying citation(s) from which the data are derived must be displayed (this enables users to obtain the record in PubMed). If the product/service/application retrieves data derived from MEDLINE/PubMed records and does provide a direct electronic link to the underlying record(s) in PubMed, there is no data element requirement for display.

2. Incorporate files that replace all previously distributed records (e.g., the annual MEDLINE/PubMed baseline files) no later than ninety (90) days after the date such files are made available to Licensee by NLM. Licensee shall make known, in a suitably clear and conspicuous manner, the currency of the NLM data used in its products/services/applications, based on the date NLM released the most recent data file used (i.e., the date NLM put the files on its server). [Also applies to Catfile, CatfilePlus, Serfile, CCRIS, ChemIDplus® Subset, DIRLINE®, HSDB®, GENE-TOX, TOXLINE® Subset]

3. Follow the NLM best practices recommendation that Licensees incorporate periodic update files containing new and/or maintained records, and remove deleted records, at least once every thirty (30) days after the date made available to Licensee. [Also applies to Catfile, CatfilePlus, and Serfile]

The following alternative to the best practices recommendation is permissible: If, at Licensee's discretion, the suitability of Licensee's product/service/application is not adversely affected by

less frequent updates, updates may take place less frequently than every thirty (30) days. In this case, requirements in Appendix C still apply. If Licensee's products/services/applications are updated during a calendar year but not within thirty (30) days after NLM makes new/maintained/deleted records available, Licensee shall make known in a suitably clear and conspicuous manner that the products/services/applications may not reflect the most current/accurate biomedical/scientific data available from NLM.

In either case, Licensee shall make known, in a suitably clear and conspicuous manner, the currency of the NLM data used in its products/services/applications, based on the date NLM released the most recent data file used (i.e., the date NLM put the files on its server).

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Recommended wording examples:

"Published dosage error in abstract of PMID 1234567 is corrected in current version of the record."

"Article cited in PMID 1234567 is retracted (*or partially retracted*) by item cited in PMID 9876543."

5. Perform updates and any value-added activity in such a way that no NLM-provided content becomes incorrect. [Also applies to Catfile, CatfilePlus, and Serfile, CCRIS, ChemIDplus Subset, DIRLINE, HSDB, GENE-TOX, TOXLINE Subset]

6. Describe in a suitably clear and conspicuous manner the update frequency for Licensee's addition of new records, application of maintained records, and removal of deleted records. [Also applies to Catfile, CatfilePlus, Serfile, CCRIS, ChemIDplus Subset, DIRLINE, HSDB, GENE-TOX, TOXLINE Subset]

7. Take reasonable steps to prevent access to products/services/applications containing NLM data or data derived from NLM databases that have become superseded by updated and/or maintained versions. [Also applies to CCRIS, ChemIDplus Subset, DIRLINE, HSDB, GENE-TOX, TOXLINE Subset]

APPENDIX D: MEDLINE®/PUBMED® MINIMAL DATA ELEMENT SET

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1. Appendix C applies (that is, the Licensee's products/services/applications are not based upon a static version of the data).
2. Licensee's product/service/application is a citation retrieval system displaying MEDLINE/PubMed citation data.
3. There is not a direct link from the data displayed to the corresponding record in PubMed at NLM. (If there is a direct link from the data displayed in the Licensee's product/service/application to the record in PubMed at NLM, display of all elements below in Licensee's product/service/application is not required.)

Elements with "X" in the Search Status column must be searchable.

Element Name	Element Meaning	Search Status
AuthorList	Author(s)	X
PubDate	Date of publication	
DateRevised	Date record last revised***	X
Pagination	Pagination	
ELocationID (optional if Pagination is present)	Electronic Location ID (DOI and/or PII)	
MedlineTA	Journal title abbreviation*	X
ArticleTitle	Title of article**	X
PMID	Unique identifier***	X
Volume	Journal Volume	
Comments/Corrections	Commentary, erratum, retraction, etc.	

*Full journal title (element name = Title) may be used instead.

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***May be suppressed in publicly available applications but must be searchable internally (for quality assurance purposes).